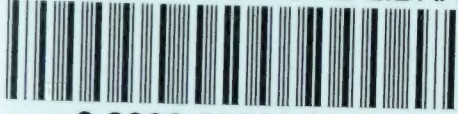


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**Government of the Province of Alberta**

# **ANNUAL REPORT**

of the

*Fire Commissioner*

1961

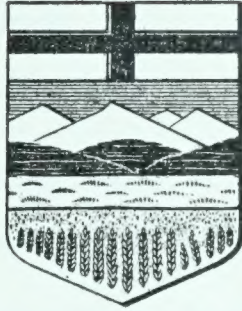
**Department of Provincial Secretary**

By Direction of the Honourable  
A. R. Patrick  
Provincial Secretary of Alberta









**Government of the Province of Alberta**  
**Department of Provincial Secretary**

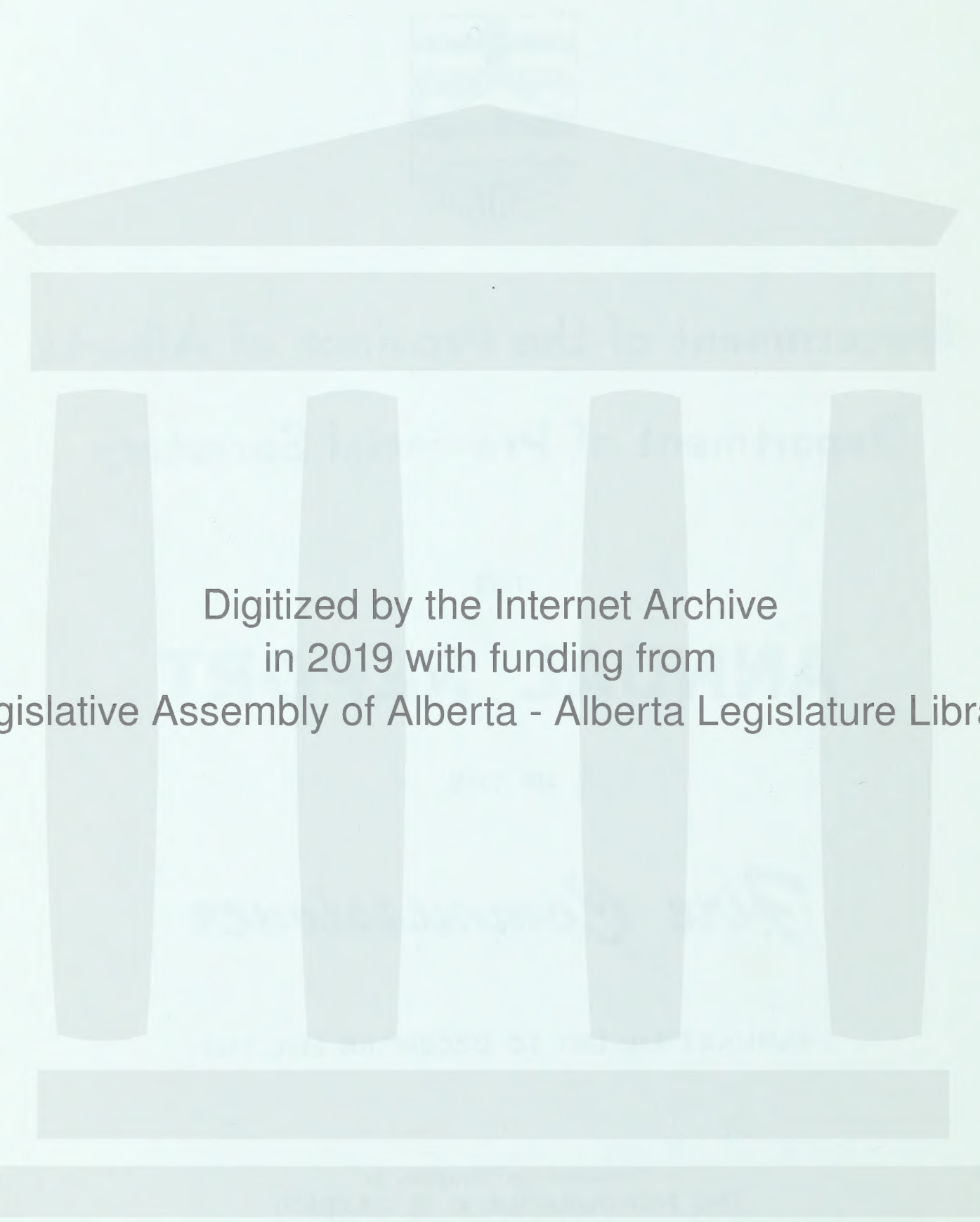
THE  
**ANNUAL REPORT**

OF THE  
*Fire Commissioner*

JANUARY 1st, 1961 TO DECEMBER 31st, 1961

Published by Direction of  
**THE HONOURABLE A. R. PATRICK**  
Provincial Secretary

Edmonton, Alberta  
Printed by L. S. Wall, Queens' Printer for Alberta  
1962



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**GOVERNMENT OF THE PROVINCE OF ALBERTA**  
**DEPARTMENT OF THE PROVINCIAL SECRETARY**  
**OFFICE OF THE FIRE COMMISSIONER**

---

Edmonton, Alberta  
April 30, 1962

To: THE HONOURABLE A. R. PATRICK

Provincial Secretary of Alberta  
Edmonton, Alberta

Dear Sir:

Pursuant to the provisions of the Fire Prevention Act, I have the honour to submit the forty-second Annual Report of the Fire Commissioner for the calendar year 1961.

- (1) All fire losses reported have been recorded and a comparison of 1961 and 1960 fire losses is as follows:

	Year	Number of fires	Per cent increase	Amount of loss	Per cent increase
(a)	1961	5,431	18	\$8,674,795	14
	1960	4,658		7,630,695	

- (b) Loss of life 1961 — 52  
Loss of life 1960 — 41

Death from fire has increased and the property losses are also higher than in the previous year. The increase of loss of life is mainly in the male population class, therefore, our public information should be directed to male adult fire prevention precautions. Also alarming is the fact that Alberta's per capita fire loss has nearly equalled the national per capita average. The increase in fire loss has occurred largely in retail store and manufacturing premises.

- (2) There were four fires in which the loss exceeded one quarter million dollars, those being, a brick plant in Medicine Hat, an oil drilling rig near Fox Creek, department store - Calgary, and a business block - Calgary. There were 135 fires in which the loss exceeded \$10,000 and the combined losses from large fires made up more than  $\frac{3}{4}$  of the total loss. FARM fires again exceeded the one million dollar mark and are second highest in the property loss class. RETAIL STORE losses doubled over last year in the amount of loss and increased in number by 48%, STILL presenting an alarming trend. DWELLING fire losses increased 24% in number although the amount of loss was less than in 1960. HOTEL losses were reduced although the number of fires was greater, these small fire claims being mattress and rug burns from cigarettes. SCHOOL fires were no more numerous but the losses were larger resulting in the highest school fire loss on record, approaching the  $\frac{1}{2}$  million dollar mark. MANUFACTURING plant losses were much greater because of one major plant loss of \$478,405. METAL WORKERS and GARAGES continue with high losses and an increasing number of fires.



- (3) The table on Causes shows SMOKER'S CARELESSNESS accounting for 1/3 of the total number of fires but STOVES, FURNACES, BOILERS and their PIPES fires caused the greatest amount of loss. PETROLEUM and its products is the second most serious cause in terms of total damage. ELECTRICITY is the second most prevalent known cause and it results in the fourth largest property loss. There is ample evidence to support the economics of added research for safer design in heating and electrical equipment. Apparently more automation in fire safety is required to protect man against his propensity to err.
- (4) The Office's operations have been summarized in tables 11 and 12 and municipal inspections and fire losses shown in table 10.
- (5) Alberta Regulation 375/61 although under the Civil Defence and Disaster Act assigns new responsibilities to the Fire Commissioner pertaining to co-ordination of all municipal fire departments and appointment of chief fire officers under the fire emergency plan and general command of fire fighters and equipment where a state of emergency exists.
- (6) The Fire Commissioner as president presided at the Annual Conference of the Association of Canadian Fire Marshals held at Keltic Lodge, Cape Breton Island, Nova Scotia in July. The Fire Commissioner continued to serve as a member of the Associate Committee of the National Building Code attending one meeting at Ottawa in April. The Deputy Fire Commissioner attended the Emergency Measures survival training school at Arnprior in November and both the Fire Commissioner and Deputy Fire Commissioner attended and lectured at provincial E.M.O. training schools and took part in Emergency Measures exercises. The Fire Commissioner assisted Canadian Army officers in the presentation of fire disaster re-entry of target city problems at the regional Commanders and Ministers conference at Winnipeg in April. The Fire Commissioner and members of the office attended many public meetings in Alberta representing the department to deal with many fire prevention and fire control subjects.
- (7) In conclusion, it is my purpose to report the energetic and faithful discharge of duties by all members of my staff which has made possible the maximum of service to the public. The necessary fire investigations and fire inspections have been better accomplished by the ready assistance and efficient work of municipal fire departments and police departments and in particular by the outstanding work of the Royal Canadian Mounted Police. I wish to express also sincere appreciation for the assistance of municipal councils, insurance company inspectors, insurance adjusters, the Fire Underwriters' Investigation Bureau, and of all other organizations and individuals whose efforts have been directed toward reduction of Alberta's fire waste.

Respectfully submitted,

AUSTIN BRIDGES

Fire Commissioner.



**TABLE NO. 1**  
**A COMPARISON OF THE MONTHLY LOSSES IN 1960 AND 1961**

Month	1960		1961	
	No. of Fires	Loss	No. of Fires	Loss
January .....	500	\$ 710,838	451	\$1,129,651
February .....	384	361,593	404	1,235,509
March .....	380	1,184,737	450	373,566
April .....	424	378,162	499	768,625
May .....	393	547,730	446	395,837
June .....	331	354,391	461	486,824
July .....	403	566,391	426	398,400
August .....	341	342,455	430	399,719
September .....	346	506,107	406	361,058
October .....	385	855,946	471	638,514
November .....	355	1,040,116	455	1,416,719
December .....	416	782,229	532	1,070,373
<b>TOTAL .....</b>	<b>4,658</b>	<b>\$7,630,695</b>	<b>5,431</b>	<b>\$8,674,795</b>

**TABLE NO. 2**  
**COMPARISON OF YEARLY LOSSES FROM JANUARY 1st, 1952**  
**TO DECEMBER 31st, 1961**

Calendar Year	No. of Fires	Property Loss	No. of Deaths	Per Capita
1952 .....	3,130	\$ 4,545,444.00	36	4.84
1953 .....	2,553	5,652,339.00	54	4.71
1954 .....	2,574	7,657,085.00	35	7.37
1955 .....	2,422	6,810,883.00	46	6.38
1956 .....	2,883	6,840,901.00	35	6.09
1957 .....	2,980	6,532,451.00	39	5.68
1958 .....	4,186	6,490,742.00	38	5.40
1959 .....	4,674	7,102,221.00	46	5.69
1960 .....	4,658	7,630,695.00	41	5.83
1961 .....	5,431	8,674,795.00	52	6.45
<b>TOTAL .....</b>	<b>35,491</b>	<b>\$67,937,556.00</b>	<b>422</b>	

Population (1961) ..... 1,345,000      Per Capita Loss (1961) ..... 6.45

**TABLE NO. 3**  
(Reference to Table No. 6)  
**CLASSIFICATION AND CAUSE OF PROPERTY LOSS IN 1961**

Property	Cause	No. of Fires
<b>DWELLINGS, APARTMENTS, THEIR GARAGES AND OUTBUILDINGS — EXCLUDING FARMS</b>		
<b>(a) Brick—Protected</b>		
	Smoking (cigarettes, cigars, pipes, matches) .....	34
	Miscellaneous Causes of Fire .....	14
	Unknown Causes of Fire .....	5
	Electricity .....	3
	Matches (other than smokers' carelessness) .....	3
	Stoves, furnaces, boilers and their pipes .....	2
	Petroleum and its products .....	2
	Exposure fires .....	1
	Lights (other than electric) .....	1
		<b>65</b>



TABLE No. 3 (Continued)

Property	Cause	No. of Fires
<b>(b) Frame—Protected</b>		
Smoking (cigarettes, cigars, pipes, matches)		1,437
Miscellaneous		572
Electricity		187
Unknown causes of fire		184
Matches (other than smokers' carelessness)		146
Stoves, Furnaces, Boilers and their pipes		108
Hot Ashes (coals and open fires)		64
Petroleum and its products		47
Lightning (unrodded buildings)		31
Lights (other than electric)		31
Exposure fires		19
Chimneys, Flues (overheated and defective)		12
Spontaneous ignition		9
Incendiarism		4
Sparks on roofs		1
		<hr/> 2,852 <hr/>
<b>(c) Frame—Unprotected</b>		
Smoking, (cigarettes, cigars, pipes, matches)		59
Miscellaneous causes of fire		38
Unknown causes of fire		31
Hot ashes, coals and open fires		21
Electricity		17
Stoves, Furnaces, Boilers and their pipes		16
Exposure fires		14
Matches (other than smokers' carelessness)		11
Lightning (unrodded buildings)		8
Chimneys, Flues (overheated and defective)		3
Petroleum and its products		3
Spontaneous ignition		2
Sparks on roofs		1
		<hr/> 224 <hr/>
<b>FARM PROPERTY</b>		
Unknown causes of fire		140
Stoves, Furnaces, Boilers and their pipes		75
Electricity		64
Miscellaneous		50
Hot ashes, coals and open fires		46
Lightning (unrodded buildings)		45
Smoking (cigarettes, cigars, pipes, matches)		45
Chimneys, Flues (overheated and defective)		30
Matches (other than smokers' carelessness)		30
Petroleum and its products		26
Spontaneous Combustion		14
Exposure fires		9
Lights (other than electric)		7
Sparks on roofs		6
Incendiarism		3
		<hr/> 590 <hr/>
<b>CHURCHES</b>		
Stoves, Furnaces, Boilers and their pipes		5
Unknown causes of fires		4
Electricity		2
Hot ashes, coals and open fires		1
Lightning (unrodded buildings)		1
		<hr/> 13 <hr/>



TABLE No. 3 (Continued)

Property	Cause	No. of Fires
<b>HOSPITALS AND SANATORIA</b>		
	Unknown Causes of Fire .....	5
	Smoking (cigarettes, cigars, pipes, matches) .....	3
	Miscellaneous .....	2
	Electricity .....	2
	Hot ashes, coals and open fires .....	2
	Sparks on roofs .....	1
	Petroleum and its products .....	1
		<hr/> 16
<b>PUBLIC HALLS</b>		
	Unknown causes of Fire .....	2
	Exposure Fires .....	2
	Miscellaneous .....	1
	Smoking (cigarettes, cigars, pipes, matches) .....	1
	Chimney, Flues (overheated and defective) .....	1
	Stoves, Furnaces, boilers and their pipes .....	1
	Hot ashes, coals, and open fires .....	1
		<hr/> 9
<b>SCHOOLS AND INSTITUTIONS—EDUCATIONAL</b>		
	Unknown Causes of Fire .....	10
	Stoves, Furnaces, boilers and their pipes .....	8
	Miscellaneous .....	7
	Electricity .....	3
	Matches (other than smokers' carelessness) .....	3
	Smoking (cigarettes, cigars, pipes, matches) .....	2
	Incendiarism .....	1
	Lightning (unrodded buildings) .....	1
	Hot ashes, coals and open fires .....	1
		<hr/> 36
<b>ALL OTHER INSTITUTIONAL BUILDINGS</b>		
	Smoking (cigarettes, cigars, pipes, matches) .....	11
	Miscellaneous .....	2
	Electricity .....	2
	Unknown causes of fire .....	1
	Chimneys, Flues (overheated and defective) .....	1
	Matches (other than smokers' carelessness) .....	1
	Petroleum and its products .....	1
	Hot ashes, coals and open fires .....	1
		<hr/> 20
<b>WAREHOUSES</b>		
	Smoking (cigarettes, cigars, pipes, matches) .....	5
	Hot ashes, coals and open fires .....	5
	Unknown causes of fire .....	3
	Miscellaneous .....	3
	Matches (other than smokers' carelessness) .....	3
	Stoves, Furnaces, boilers and their pipes .....	2
	Electricity .....	2
	Chimneys, Flues (overheated and defective) .....	1
	Exposure fires .....	1
		<hr/> 25



TABLE No. 3 (Continued)

Property	Cause	No. of Fires
<b>RETAIL STORES AND CONTENTS</b>		
	Unknown causes of fire .....	52
	Smoking (cigarettes, cigars, pipes, matches) .....	42
	Miscellaneous causes of fire .....	35
	Exposure fires .....	29
	Electricity .....	16
	Stoves, furnaces, boilers and their pipes .....	10
	Matches (other than smokers' carelessness) .....	9
	Hot ashes, coals and open fires .....	7
	Lightning (unrodded buildings) .....	4
	Petroleum and its products .....	3
	Chimneys, Flues (overheated and defective) .....	3
	Incendiarism .....	3
	Spontaneous ignition .....	1
	Lights other than electric .....	1
		<hr/> 215 <hr/>
<b>HOTELS</b>		
	Smoking (cigarettes, cigars, pipes, matches) .....	74
	Unknown causes of fire .....	11
	Miscellaneous causes of fire .....	9
	Electricity .....	7
	Stoves, furnaces, boilers and their pipes .....	5
	Spontaneous ignition .....	2
	Petroleum and its products .....	2
	Chimneys, Flues (overheated and defective) .....	1
	Exposure fires .....	1
	Lights (other than electric) .....	1
		<hr/> 113 <hr/>
<b>FOOD PLANTS AND DISTILLERIES</b>		
	Unknown causes of fire .....	3
	Matches (other than smokers' carelessness) .....	2
	Petroleum and its products .....	1
	Exposure fires .....	1
	Electricity .....	1
	Stoves, furnaces, boilers and their pipes .....	1
	Hot ashes, coals and open fires .....	1
	Smoking (cigarettes, cigars, pipes, matches) .....	1
	Lightning (unrodded buildings) .....	1
		<hr/> 12 <hr/>
<b>FLOUR MILLS AND GRAIN ELEVATORS</b>		
	Unknown causes of fire .....	4
	Stoves, furnaces, boilers and their pipes .....	2
	Smoking (cigarettes, cigars, pipes, matches) .....	1
	Electricity .....	1
	Lightning (rodded buildings) .....	1
	Exposure fires .....	1
		<hr/> 10 <hr/>



TABLE No. 3 (Continued)

Property	Cause	No. of Fires
<b>OIL PROPERTY AND OIL TANKS</b>		
	Petroleum and its products .....	28
	Unknown causes of fire .....	17
	Stoves, furnaces, boilers and their pipes .....	4
	Miscellaneous causes of fire .....	3
	Electricity .....	3
	Lightning (unrodded buildings) .....	3
	Smoking (cigarettes, cigars, pipes, matches) .....	2
	Chimneys, Flues (overheated and defective) .....	2
	Hot ashes, coals and open fires .....	1
		<hr/> 63 <hr/>
<b>SAW AND SHINGLE MILLS</b>		
	Unknown causes of fire .....	4
	Miscellaneous .....	1
	Lightning (unrodded buildings) .....	1
	Hot ashes, coals and open fires .....	1
	Petroleum and its products .....	1
	Matches (other than smokers' carelessness) .....	1
		<hr/> 9 <hr/>
<b>LUMBER YARDS</b>		
	Unknown causes of fire .....	4
	Petroleum and its products .....	1
	Miscellaneous causes of fire .....	1
	Hot ashes, coals and open fires .....	1
		<hr/> 7 <hr/>
<b>WOODWORKERS</b>		
	Unknown causes of fire .....	3
	Hot ashes, coals and open fires .....	2
	Stoves, furnaces, boilers and their pipes .....	1
		<hr/> 6 <hr/>
<b>METAL WORKERS</b>		
	Petroleum and its products .....	16
	Unknown causes of fire .....	14
	Electricity .....	9
	Stoves, furnaces, boilers and their pipes .....	8
	Miscellaneous .....	5
	Chimneys, Flues (overheated and defective) .....	2
	Hot ashes, coals and open fires .....	3
	Exposure fires .....	2
	Incendiarism .....	1
	Matches (other than smokers' carelessness) .....	1
	Smoking (cigarettes, cigars, pipes, matches) .....	1
		<hr/> 62 <hr/>



TABLE No. 3 (Continued)

Property	Cause	No. of Fires
<b>MINING PROPERTY</b>		
	Unknown causes of fire .....	2
	Miscellaneous .....	1
	Electricity .....	1
	Hot ashes, coals and open fires .....	1
		<hr/> 5
<b>RAILWAY PROPERTY—LIGHT AND POWER PLANTS</b>		
	Smoking (cigarettes, cigars, pipes, matches) .....	3
	Petroleum and its products .....	1
	Unknown causes of fire .....	1
	Electricity .....	1
	Exposure fires .....	1
		<hr/> 7
<b>MISCELLANEOUS MANUFACTURING PREMISES</b>		
	Stoves, furnaces, boilers and their pipes .....	3
	Exposure fires .....	2
	Miscellaneous causes of fire .....	2
	Unknown causes of fire .....	2
	Electricity .....	2
	Spontaneous ignition .....	2
	Petroleum and its products .....	1
	Smoking (cigarettes, cigars, pipes, matches) .....	1
	Hot ashes, coals and open fires .....	1
		<hr/> 16
<b>MISCELLANEOUS NON-MANUFACTURING PREMISES</b>		
	Miscellaneous causes of fire .....	17
	Unknown causes of fire .....	14
	Smoking (cigarettes, cigars, pipes, matches) .....	13
	Electricity .....	12
	Stoves, furnaces, boilers and their pipes .....	12
	Spontaneous ignition .....	9
	Exposure fires .....	8
	Hot ashes, coals and open fires .....	8
	Petroleum and its products .....	6
	Matches (other than smokers' carelessness) .....	5
	Chimneys, Flues (overheated and defective) .....	1
	Incendiarism .....	1
		<hr/> 106
<b>PROPERTY OTHER THAN BUILDINGS</b>		
	Electricity .....	275
	Smoking (cigarettes, cigars, pipes, matches) .....	182
	Unknown causes of fire .....	174
	Petroleum and its products .....	153
	Miscellaneous causes of fire .....	74
	Stoves, furnaces, boilers and their pipes .....	43
	Hot ashes, coals and open fires .....	24
	Exposure fires .....	7
	Incendiarism .....	6
	Matches (other than smokers' carelessness) .....	5
	Lightning (unrodded buildings) .....	5
	Spontaneous ignition .....	2
		<hr/> 950



TABLE NO. 4  
INSTITUTION AND ASSEMBLY BUILDINGS  
(Excluding Theatres and Clubs)

Date	Location	Occupancy	Damage	Cause
1961	Nr. Edmonton	Country Club	\$ 350	Cigarette
1961	Lethbridge	Elk Club	276	Cigarette
Jan.	1 Lethbridge	Church	312	Electrical short circuit
	4 Wetaskiwin	Agricultural society	2,591	Electrical short circuit
	4 Edmonton	Children's Home	41	Molten asphalt ignited walls
	10 High River	School	14,930	Unknown
	13 Nr. Islay	Hall	428	Overheated stove
	20 Edmonton	Hospital	1,717	Unknown
	22 Banff	Canadian Legion	45,551	Cigarette
	24 Nr. St. Paul	School	5	Faulty electric connection
Feb.	15 Lethbridge	Hospital	249	Wax ignited on stove
	19 Beaumont	School	571	Faulty oil furnace
	19 Travers	Teacherage	8,181	Act of children
	27 High Prairie	School	64,593	Unknown
Mar.	7 Medicine Hat	Home for Aged	33	Cigarette
	10 Canmore	Hospital	59	Electrical fire
	11 Edmonton	Hospital	21	Unknown
	11 Carmangay	Hospital	339	Sparks on roof
	14 Jean Cote	Convent	325	Explosion in fire pot & chimney
	17 Hemaruka	Teacherage	1,060	Electrical short circuit
	19 Girouxville	Hall	106	Exposure to cafe
	23 Taber	School	156	Matches
	26 New Sarepta	School	357	Faulty furnace
	27 Lethbridge	Nursing home	11	Cigarette
Apr.	Greenshields	Hall	50	Rubbish fire spread
	11 Edmonton	School	38	Cigarette
	15 Carmangay	School	214,160	Unknown
	20 Kikino	School power unit	3,749	Unknown
	25 Jasper Place	Hall	8,688	Unknown
	28 Edmonton	School	91	Cigarette
	28 Ft. McMurray	Church	117	Sparks from grass fire
May	2 Wainwright	Church	29	Unknown
	3 Sedgewick	School	20	Unknown
	5 Edmonton	University ,	391	Sparks from cutting pipe
	16 Edmonton	University	96	Bunsen burner
	20 Lethbridge	Y.M.C.A.	31	Cigarette
	20 Edmonton	Hall	100	Exposure to shack
	21 Edmonton	Church & Hall	135	Unknown
	21 Beverly	Hall	501	Fire crackers
	27 Belmont	Institute for girls	35	Cigarette
	30 Jasper Place	Hall	100	Unknown
June	7 Peace River	Nurses' Residence	291	Hot coals burned porch
	15 Edmonton	Knights of Columbus	7	Cigarette
	16 Lac La Biche	School	103,184	Unknown
	23 Ponoka	Hospital	280	Unknown
	27 Calgary	School	243	Unknown
	29 Sexsmith	Church	1,701	Lightning



TABLE No. 4 (Continued)

Date	Location	Occupancy	Damage	Cause
July	10 Edmonton	Hospital	1,109	Sparks ignited wall
	12 Pincher Creek	School	59	Lightning
	14 Foremost	School	2,869	Molten metal from welding
	25 Ponoka	Hospital	855	Unknown
	26 Spirit River	Hospital	634	Unknown
Aug.	2 Edmonton	School	290	Suspected Arson
	2 Nr. Calgary	Gaol	172	Cigarette
	7 Calgary	Y.M.C.A.	200	Burning refuse spread
	9 Edmonton	University	23	Bunsen burner
	12 Nr. Wainwright	Teacherage	4,063	Unknown
	18 Edmonton	Church	371	Unknown
	22 Edmonton	Hospital	100	Cigarette
	22 Nr. Cold Lake	Hall	1,000	Cigarette
Sept.	11 High Prairie	Church	350	Faulty gas stove
	16 St. Albert	Home for Aged	1,688	Matches
	25 Edmonton	Country Club	100	Explosion
	28 Edmonton	Church	123	Unknown
Oct.	Peace River	Church	2,000	Faulty oil stove
	2 Trochu	School	556	Burning stubble spread
	2 Medicine Hat	School	21	Combustible material left on ironing board
	4 Nr. Mallaig	Church	742	Faulty electric wiring
	6 Oliver	Hospital	3,600	Electrical short circuit
	15 Trochu	School	50	Matches
	17 Medicine Hat	School	35	Suit burned by hot plate
	17 Peers	School	195	Explosion in oil furnace
	20 Fulham	School	107	Explosion in oil furnace
	23 Edmonton	Canadian Legion	1,500	Electrical short circuit
	25 Longview	Teacherage	575	Power failure
	27 Athabasca	Hospital	2,000	Gas ignited in boiler
Nov.	Nr. Sullivan Lake	Teacherage	800	Unknown
	Calgary	Nursing Home	30	Cigarette
	3 Edmonton	School	19,111	Faulty space heater
	9 Two Hills	School	412	Explosion in boiler
	24 Calgary	Country Club	1,500	Grease & fat vapor ignited
	26 Sundre	Church	751	Overheated stove & pipe
	28 Dorothy	Teacherage	7,096	Faulty propane heater
Dec.	1 Nr. Thorsby	Hall	2,159	Faulty chimney
	5 Vegreville	Church	3,809	Faulty stove
	7 Calgary	Recreational centre	3,500	Unknown
	11 Edmonton	Hospital	10	Burning camphor burned table top
	13 Drumheller	Church	23,434	Faulty furnace
	15 Three Hills	School	50	Matches
	21 Rolling Hills	School	150	Unknown
	26 Calgary	Hospital	36	Cigarette
	26 Grande Prairie	Hospital	117	Cigarette
	29 Jasper Place	School	300	Faulty furnace
	30 Medicine Hat	Home for Aged	42	Cigarette

---

Total \$ 564,993

---



TABLE NO. 5

## LOSSES CAUSED BY LIGHTNING

Date	Location	Occupancy	Building	Damage Contents	Total
May	21 Nr. Vegreville	Granary	\$ 972	\$	\$ 972
	24 Nr. New Brigden	Livestock		105	105
	25 Nr. Claresholm	Dwelling		15	15
	26 Nr. Magrath	Garage	65		65
	26 Nr. Sexsmith	Dwelling	4	57	61
	27 Nr. Wetaskiwin	Dwelling	127		127
	27 Edmonton	Packing Plant	840		840
	27 Nr. Nevis	Gas Plant	1,355		1,355
	28 Nr. Bassano	Barn	1,200	863	2,063
June	Lethbridge	Dwelling		14	14
	6 Nr. Dalroy	Barn	5,000		5,000
	7 Nr. Bezanson	Barn	111		111
	7 Nr. Iron Springs	Dwelling	17		17
	7 Peace River	Dwelling		37	37
	9 Jasper Place	Dwelling	100		100
	9 Jasper Place	Dwelling	33		33
	9 Nr. Vermilion	Dwelling		51	51
	16 Lethbridge	Dwelling	6		6
	16 Crossfield	Dwelling	133	66	199
	16 Nr. Ohaton	Dwelling	26		26
	17 Nr. Nanton	Barn	125		125
	18 Pincher Creek	Dwelling		47	47
	18 Lethbridge	Dwelling		36	36
	18 Nr. Aldersyde	Dwelling		80	80
	18 Nr. High River	Automobile		73	73
	19 Nr. Conrich	Dwelling	822		822
	19 Nr. Innisfail	Dwelling	25		25
	20 Hamlin	General Store	59		59
	20 Edmonton	Dwelling	424		424
	20 Nr. Beauvallon	Dwelling	56		56
	21 Nr. Neerlandia	Dwelling	10	80	90
	22 Nr. Medicine Hat	Dwelling		66	66
	25 Nr. Valleyview	Dwelling	1,894	599	2,493
	26 Hornbeck	General Store	604	48	652
	26 Nr. Medicine Hat	Garage	200		200
	26 Farm Location	Sawmill		93	93
	26 Nr. Duffield	Heifers		90	90
	29 Sexsmith	Church	1,676	25	1,701
	29 Sexsmith	Dwelling	285	343	628
	29 Sexsmith	Dwelling		5	5
	29 Nr. Sexsmith	Dwelling		8	8
	30 Nr. Nobleford	Dwelling	61		61
July	Nr. Taber	Dwelling		8	8
	Seebee	Cabin		60	60
	6 Innisfail	Dwelling		15	15
	7 Kirriemuir	Dwelling		87	87
	7 Edmonton	Dwelling	180		180
	7 Nr. Hotchkiss	Barn	50		50
	7 Ashmont	Heifer		300	300
	7 Nr. Jenner	Barn	1,200		1,200
	7 Nr. Fairview	Dwelling	1,802		1,802



TABLE No. 5 (Continued)

Date	Location	Occupancy	Building	Damage Contents	Total
July	7 Nr. Tawatinaw	Dwelling	750	124	874
	12 Pincher Creek	School	59		59
	14 Bawlf	Dwelling	30		30
	14 Vegreville	Dwelling		7	7
	14 Nr. Barrhead	Dwelling	37		37
	15 Foremost	Stove	54		54
	15 Foremost	Dwelling	338	71	409
	15 Foremost	Dwelling		54	54
	16 Nr. Balzac	Barn	21	47	68
	16 Nr. Calgary	Dwelling	58		58
	16 Nr. Sangudo	Barn	3,000	1,000	4,000
	16 Nr. Calgary	Oil Company		133	133
	16 Calgary	Dwelling	12		12
	16 Calgary	Business Block		41	41
	16 Calgary	Dwelling	313		313
	16 Calgary	Dwelling		7	7
	16 Calgary	Dwelling	1,896	549	2,445
	18 Nr. Czar	Dwelling	2,334		2,334
	21 Calgary	Dwelling		50	50
	21 Olds	Dwelling		73	73
	21 Nr. Irricana	Livestock	614		614
	21 Nr. Okotoks	Stock Shed	50		50
	22 Irricana	Elevator	40,422	58,403	98,825
	22 Nr. Stony Plain	Barn	500		500
	23 Nr. Del Bonita	Dwelling	3,500		3,500
	23 Nr. Edmonton	Dwelling	113		113
	23 Nr. Stony Plain	Dwelling	50		50
	23 Nr. Stony Plain	Dwelling		80	80
	23 Leduc	Dwelling		9	9
	23 Edmonton	Garage	9	35	44
	24 Langdon	Dwelling	91		91
	24 Nr. Calgary	Livestock		150	150
	24 Calgary	Dwelling		8	8
	26 Nr. Ardrossan	Dwelling	3,000		3,000
	28 Coaldale	Dwelling	10		10
	28 Nr. Morinville	Chicken House	1,934		1,934
	29 Gleichen	Dwelling		59	59
	29 Nr. Bow Island	Dwelling	22		22
	29 Calgary	Dwelling	50		50
	29 Calgary	Dwelling		20	20
	29 Lethbridge	Dwelling	113		113
Aug.	Wetaskiwin	Dwelling	6		6
	1 Lethbridge	Dwelling	15		15
	3 Nr. Ronan	Dwelling	200		200
	4 Edmonton	Dwelling		49	49
	6 Beaumont	Dwelling	40		40
	23 Farm Location	Treater House	176		176
	29 Calgary	Dwelling		14	14
Sept.	6 Nr. Ft. Sask.	Barn	58		58
Oct.	23 Barrhead	Dwelling		12	12
TOTAL			\$ 79,337	\$ 64,266	\$143,603



**TABLE NO. 6**  
**FIRE LOSSES BY PROPERTY CLASSIFICATION**

Property	No. of Fires	Total of Damage
1. Brick, etc., Dwellings-Protected .....	65	\$ 77,687
2. Frame, etc., Dwellings-Protected .....	2,852	700,429
3. Brick and Frame, etc., Dwellings-Unprotected .....	224	151,515
4. Farm Property .....	590	1,208,196
5A. Churches .....	13	33,874
5B. Hospitals and Sanatoria .....	16	11,417
5C. Public Halls .....	9	13,132
5D. Schools and Educational Institutes .....	36	448,587
5E. All other Institutional Buildings .....	20	57,983
6. Warehouses of all kinds .....	25	133,747
7. Retail Stores .....	215	Bldgs. 1,054,656 Contents 1,331,075
8. Hotels .....	113	Bldgs. 27,509 Contents 13,973
9. Food Plants, distilleries, etc. ....	12	18,454
10. Flour Mills and Grain Elevators .....	10	380,965
11. Oil Risks, Oil Tanks, etc. ....	63	646,691
12. Saw and Shingle Mills .....	9	159,897
13. Lumber Yards .....	7	87,733
14. Woodworkers .....	6	46,993
15. Metal Workers—Garages .....	62	501,491
16. Mining Property .....	5	7,899
17. Railway Property, Light, and Power Plants .....	7	7,543
18. Miscellaneous Manufacturing Premises .....	16	554,523
19. Miscellaneous Non-Manufacturing Premises .....	106	535,855
20. Property other than buildings .....	950	462,971
<b>TOTAL</b>	<b>5,431</b>	<b>8,674,795</b>

**TABLE NO. 7**  
**CAUSES OF FIRES**

Causes	No. of Fires	Total of Damage
51. Chimneys, Flues, Overheated and Defective .....	57	\$ 103,675
52. Stoves, Furnaces, Boilers and their pipes .....	306	1,110,266
53. Hot ashes, coals and open fires .....	192	218,949
54. Sparks on roofs .....	9	24,688
55. Exposure fires .....	98	792,989
56. Smoking (cigarettes, cigars, matches) .....	1,917	586,475
57. Matches (other than smokers' carelessness) .....	220	110,035
58. Lights (other than electric) .....	41	6,798
59. Electricity .....	610	741,029
60. Lightning (unrodded buildings) .....	100	44,778
60A. Lightning (rodded buildings) .....	1	98,825
61. Spontaneous Ignition .....	41	82,379
62. Petroleum and its products .....	293	909,852
63. Incendiarism .....	19	33,476
64. Miscellaneous (See table No. 7A) .....	837	495,555
65. Motion Picture Film Ignition .....	—	—
66. Unknown Causes of Fire .....	690	3,315,026
<b>TOTAL</b>	<b>5,431</b>	<b>\$8,674,795</b>



TABLE No 7 A  
CAUSES OF FIRES—(Breakdown of No. 64—Miscellaneous)

Causes	No. of Fires	Total of Damage
Hot Greases, Wax or Paraffin .....	238	\$ 50,600
Ignition of Faulty Appliances .....	117	30,332
Combustibles igniting near stoves .....	112	101,713
Combustibles igniting near electrical appliances .....	92	39,346
Acts of children .....	84	37,132
Welders' torches, arc welding, blow torches .....	38	117,541
Overheated appliances igniting combustibles .....	30	1,779
Friction .....	21	8,788
Firecrackers .....	18	8,862
Ignition of Flammable Materials .....	15	33,534
Ignition of lint .....	12	1,458
Sun Reflecting or Magnifying .....	9	8,024
Vandalism .....	8	7,590
Ignition of Sparks .....	8	10,463
Vehicle Collision with Fire Resulting .....	7	14,682
Ignition of Hay and Straw by Overheated Motor .....	7	9,778
Ignition of Adhesive Glue .....	4	384
Christmas Tree Lights, Igniting Materials .....	3	47
Bunsen Burner Ignited .....	2	119
Ignition of Shavings .....	2	1,264
Ignition of Paint .....	2	808
Ignition of hydrocarbons .....	2	8,053
Singeing Fowl Igniting Materials .....	2	62
Faulty Operation of Brooder .....	2	361
Ignition of Underground Coal .....	1	2,794
Flare Pots, Tar Pots, etc. ....	1	41
<b>TOTAL</b>	<b>837</b>	<b>\$ 495,555</b>

TABLE NO. 8  
LARGEST LOSSES DURING THE YEAR

Date	Location	Occupancy	Loss Cause
Jan.	3 Grande Prairie	Tire Shop	\$ 24,456 Explosion
	4 Calgary	Dwelling	15,500 Unknown
	10 High River	School	14,930 Unknown
	13 Spruce Valley	General Store	10,655 Overheated Stove
	17 Nr. Whitecourt	Sawmill	99,469 Unknown
	18 Edmonton	Business Block	52,185 Unknown
	19 Warspite	Garage	38,489 Electrical
	20 Nr. Crowfoot	Dwelling	22,000 Faulty electric wiring
	21 Medicine Hat	Brick Plant	478,405 Faulty boiler
	22 Banff	Legion	45,551 Cigarette
	28 Nr. Jasper Pace	Planing Mill	15,830 Unknown
	29 Loydminster	Lumber Yard	46,297 Gas ignited by heater
	31 Nr. Coaldale	Dairy Barn	26,000 Unknown
Feb.	3 Nr. Fox Creek	Drilling Rig	390.055 Petroleum ignited by drill stem
	3 Grassland	Service Station	19.783 Unknown



TABLE No. 8 (Continued)

Date	Location	Occupancy	Loss	Cause
Feb.	7 Eckville	Feed & Seed Mill	45,600	Unknown
	10 Nr. Medicine Hat	Farm Property	32,423	Cigarette
	13 Nr. Edmonton	Brick & Tile Plant	185,977	Unknown
	16 Nr. Caroline	Sawmill Equipment	15,591	Match
	16 Nr. Rosedale	Garage & Machine Shop	13,198	Sparks from furnace
	18 Nr. Clover Bar	Cellulose Acetate Plant	19,007	Explosion
	18 Manning	Hardware	62,520	Faulty furnace or stoker
	18 Manning	Garage	74,587	Exposure to Hardware
	19 Nr. Spring Coulee	Oil Equipment	14,744	Gas ignited
	19 Edmonton	Grocery Store	24,007	Unknown
	20 Calgary	Warehouse	24,229	Overheated furnace head
	23 Calgary	Business Block	11,975	Cigarette
	27 High Prairie	School	64,593	Unknown
	28 Nr. Hussar	Dwelling	19,500	Unknown
Mar.	4 Nr. Bassano	Garage & Repair Shop	12,465	Electrical Short Circuit
	9 Nr. Lethbridge	Barn	19,944	Sparks from burning weeds
	10 Tomahawk	General Store	29,434	Faulty furnace
	15 Ryley	Business Block	15,697	Unknown
	19 Girouxville	Cafe	21,946	Cigarette
	27 Edmonton	Business Block	18,255	Unknown
	30 Grande Prairie	City Hall	24,841	Electrical short circuit
	31 Nr. Drayton Valley	Drilling Equipment	14,906	Gas line broke & ignited
Apr.	3 Vegreville	Garage & Warehouse	12,065	Gas ignited by trouble light
	7 Nr. Box Springs	Dwelling	11,020	Sparks on roof
	15 Carmangay	School	214,160	Unknown
	16 Nr. Nanton	Chicken House	11,594	Faulty Electric wiring
	19 Red Deer	Fire Hall	22,395	Cigarette
	20 Lethbridge	Sawmill	16,654	Gas ignited by heater
	21 Edmonton	Stores	17,502	Cigarette
	25 Coronation	Cafe	18,315	Electrical short circuit
	25 Coronation	General Store	71,726	Exposure to Cafe
	25 Coronation	Business Block	12,126	Exposure to Cafe
	25 Coronation	Bank	21,526	Exposure to Cafe
	26 Medicine Hat	Business Block	18,859	Bomb spray ignited
	27 Grimshaw	Theatre	49,673	Electrical short circuit
May	1 Holden	Garage	14,445	Unknown
	4 Cold Lake	Dwelling	13,436	Unknown
	22 Calgary	Apartment Block	12,595	Unknown
	23 Calgary	Furniture Store	95,509	Unknown
	26 Nr. Edson	Catering Service	16,118	Ignited by Forest fire
	27 Nobleford	Dwelling	10,000	Electrical short circuit
June	7 Calgary	Warehouse	72,767	Burning refuse spread
	11 Ardley	General Store	10,408	Electrical short circuit
	12 Nr. Lacombe	Dwelling	10,794	Spark or ash from stove
	13 Fairview	Generator Equipment	25,000	Electrical short circuit
	16 Lac La Biche	School	103,184	Unknown
	16 Vegreville	Garage	29,655	Gas ignited by heater or welder
	18 Lethbridge	Exhibition Barn	24,000	Unknown
	23 Nr. Cynthia	Drilling Rig	18,000	Unknown
July	1 Calgary	Warehouse	13,319	Cigarette
	12 Nr. Debolt	Dwelling	10,677	Faulty electric wiring
	18 Nr. Bezanson	Dwelling	12,310	Faulty electric wiring
	22 Nr. Medicine Hat	Truck Crane & Carrier	15,000	Unknown
	22 Irricana	Elevator	98,825	Lightning
	30 Warburg	Hardware	50,868	Unknown
Aug.	5 Calgary	Dwelling	15,176	Cigarette
	8 Manning	Garage	10,294	Unknown
	13 Vulcan	Cafe	11,325	Grease on stove
	13 Vulcan	Hardware	26,531	Exposure to Cafe
	13 Beaver River	Elevator	32,118	Unknown



TABLE No. 8 (Continued)

Date	Location	Occupancy	Loss	Cause
Aug.	13 Beaver River	Elevator	42,428	Exposure to Searle Elevator
	16 Dutch Creek	Sawmill	18,000	Overheated motor
	18 Nr. Lethbridge	Farm Property	25,479	Faulty stove
	22 Canmore	Hotel	11,936	Unknown
	27 Hines Creek	Implement Dealer & Machine Shop	17,600	Sparks from welding torch
	28 Guy	Store and Cafe	18,114	Cigarette
Sept.	5 Westlock	Garage	57,738	Unknown
	14 Halkirk	Garage	22,250	Gasoline fumes ignited
	15 Nanton	Garage	11,240	Service light ignited grease
	17 Calgary	Clothing Store	19,489	Cigarette
	17 Sunset House	General Store	16,591	Unknown
	19 Highvale	General Store	20,877	Unknown
	30 Orion	General Store	16,204	Electrical
Oct.	2 Nr. Drumheller	Treater	23,890	Gas accumulation ignited
	2 Calgary	Hardware	57,044	Unknown
	5 Calgary	Shopping Centre	86,129	Boxes ignited by heater
	7 Alberta Beach	General Store	21,096	Unknown
	7 Pincher Creek	Gas Plant	16,600	Explosion
	11 Winfield	Dwelling	13,455	Electrical short circuit
	11 Cessford	Garage & Cafe	14,500	Gas ignited by water heater
	14 Bowness	Dwelling	14,000	Cigarette
	16 Driftpile	General Store	26,600	Electrical short circuit
	16 Calgary	Locomotive Shed	14,000	Unknown
	16 Calgary	Creosoting Plant	25,000	Exposure to shed
	18 Banff	Business Block	23,003	Outside arson
	19 Edmonton	Lumber Yard	37,996	Unknown
	24 Nr. Vilna	Dwelling	13,700	Spontaneous ignition
Nov.	3 Edmonton	School	19,111	Faulty space heater
	3 Edmonton	Store	13,660	Unknown
	3 Edmonton	Business Block	172,344	Unknown
	4 St. Paul	Clinic	33,000	Faulty Furnace
	6 Nr. Ardrossan	Dwelling	11,580	Exposure
	8 Nr. Walsh	Drilling Equipment	18,000	Explosion
	9 Calgary	Furniture Store	60,533	Unknown
	13 Sexsmith	Elevator & Annex	157,247	Unknown
	18 Calgary	Business Block	12,992	Unknown
	21 Rocky Mtn. House	Garage	37,250	Electrical short circuit
	23 Nr. Rocky Rapids	Dwelling	15,000	Electrical short circuit
	25 Nr. Killam	Auction Mart	10,033	Unknown
	27 Nr. Cavendish	Dwelling	12,468	Faulty oil burner
	29 Calgary	Business Block	122,457	Cigarette
	29 Calgary	Store	430,270	Exposure to Business Blk.
Dec.	4 Trochu	Garage	15,051	Unknown
	5 Nr. Spruce Grove	Chicken House	21,801	Faulty Coal furnace
	8 Edmonton	Shopping Centre	28,201	Torch softening putty
	9 Calgary	Business Block	305,359	Unknown
	10 Nr. Hinton	Pulp Mill	18,000	Faulty electric heater
	13 Drumheller	Church	23,434	Faulty Furnace
	14 Nr. Crossfield	Battery	17,500	Unknown
	16 Linden	Garage	11,700	Gasoline ignited
	18 Nr. Woolchester	Dwelling	15,000	Unknown
	18 Calgary	Construction Co.	17,000	Sparks from torch
	19 Calgary	Supper Lounge	43,457	Unknown
	22 Edmonton	Furniture Store	121,313	Unknown
	27 Hines Creek	Garage	37,388	Electrical
	27 Morinville	Garage	10,884	Gas ignited by welder
	29 Nr. Edmonton	Welding & Machine Shop	11,224	Unknown
	29 Cayley	Business Block	24,687	Spark from welding torch
	29 Calgary	Apartment Block	57,205	Unknown
	31 Calgary	Dwelling	12,500	Unknown



TABLE NO. 9

## STATEMENT OF FATALITIES — 1961

A. Direct Cause of Death				
	Men	Women	Children	Total
Bodily burns from flames .....	19	7	7	33
Asphyxiation by smoke or fire gases .....	6	2	11	19
<b>TOTAL</b>	<b>25</b>	<b>9</b>	<b>18</b>	<b>52</b>
Injuries Reported .....				65
B. Causes of Fire that Resulted in Death				
Careless Smoking .....	9	6	2	17
Overheated Stove or Heater .....	4	1	1	6
Unknown .....	3		4	7
Vehicle Collision and Fire .....	3			3
Oil Heater .....	1			1
Electrical .....			5	5
Ignition of Gasoline .....	2		3	5
Children Playing With Matches .....			2	2
Clothing caught Fire from Heater or Stove ...		2	1	3
Oil Rig Fire .....	1			1
Ignition of Natural Gas .....	1			1
Friction Ignited Hay .....	1			1
<b>TOTAL</b>	<b>25</b>	<b>9</b>	<b>18</b>	<b>52</b>
C. Urban .....				
Rural .....	16	8	6	30
	9	1	12	22
<b>TOTAL</b>	<b>25</b>	<b>9</b>	<b>18</b>	<b>52</b>
D. Dangerous Conditions Leading to Loss of Life				
Careless Smoking .....	9	6	2	17
Gasoline Fumes Ignited .....	4		3	7
Children not supervised or left unattended ...			6	6
Heater not properly installed or maintained ...	5	1		6
Overloading electrical circuit .....			5	5
Trapped in burning vehicle or farm implement	4			4
Unknown .....	1		2	3
Clothing attire too close to open flames .....		2		2
Oil Rig Fire .....	1			1
Overheated Stove .....	1			1
<b>TOTAL</b>	<b>25</b>	<b>9</b>	<b>18</b>	<b>52</b>

TABLE NO. 10

THE FIRE LOSSES IN CITIES, TOWNS, VILLAGES AND HAMLETS  
AND INSPECTIONS REPORTED

Place	No. of Buildings Inspected	No. of Orders Issued	Fire Loss	Population
<b>CITIES</b>				
Calgary .....	11,745	106	\$1,761,054	250,000
Camrose .....	350		13,984	6,924
Drumheller .....	nil	nil	23,963	2,821
Edmonton .....	9,393	444	823,133	284,987
Grande Prairie .....	232	28	35,338	8,250
Lethbridge .....	1,857	1	85,632	34,911
Lloydminster .....	86		828	3,048
Medicine Hat .....	1,279	4	521,158	24,176
Red Deer .....	401	136	57,612	19,850
Wetaskiwin .....	15	nil	1,709	6,297



TABLE No. 10 (Continued)

Place	No. of Buildings Inspected	No. of Orders Issued	Fire Loss	Population
<b>TOWNS</b>				
Athabasca .....			\$ 3,397	1,350
Banff .....	206		99,058	3,000
Barrhead .....	68	2	8,958	2,535
Bassano .....	210		8,371	830
Beaverlodge .....	156		7,313	1,041
Beverly .....			3,549	9,095
Black Diamond .....			157	1,200
Blairmore .....	500	3	964	2,012
Bonnyville .....	310	2	2,173	1,695
Bow Island .....	65	8	8,575	1,104
Bowness .....	54	2	31,749	9,000
Brooks .....			9,294	2,887
Calmar .....			351	716
Cardston .....			6,964	2,803
Castor .....	16	4	5,643	1,073
Claresholm .....	600	4	50	2,500
Coaldale .....	48	4	1,733	2,549
Cold Lake .....	7	—	13,471	1,400
Coleman .....	62	3	1,036	1,700
Coronation .....	22	—	124,483	892
Daysland .....	209	—	82	531
Devon .....	500	nil	530	1,422
Didsbury .....	—	—	5,461	1,220
Drayton Valley .....	nil	nil	9,081	3,900
Edson .....	—	—	8,709	3,248
Fairview .....	511	—	nil	1,550
Falher .....	—	—	329	850
Forest Lawn .....	—	—	15,956	9,500
Fort Macleod .....	all	nil	1,176	2,526
Fort Saskatchewan .....	85	nil	1,038	3,250
Gleichen .....	—	—	8,889	450
Grand Centre .....	nil	nil	5,496	1,650
Granum .....			145	300
Grimshaw .....	15	4	54,740	1,340
Hanna .....			4,127	2,900
Hardisty .....	12	nil	401	640
High Prairie .....			80,588	2,000
High River .....	80	1	15,700	2,400
Hinton .....	165	nil	2,351	3,420
Innisfail .....	68	2	669	2,300
Irvine .....			66	350
Jasper .....			1,229	2,200
Jasper Place .....	2,448	—	38,613	30,408
Lac La Biche .....			110,672	1,200
Lacombe .....	190	1	1,687	3,000
Leduc .....	—	—	530	2,500
Lodgepole .....	15	nil	609	566
Magrath .....	—	—	651	1,370
Manning .....	—	—	151,962	900
Mayerthorpe .....	60	—	1,491	750
McLennan .....	—	—	262	1,080
McMurray .....	—	—	nil	1,500
Milk River .....	—	—	288	820
Montgomery .....	1,000	50	6,763	5,100
Morinville .....	20	9	17,438	950
Mundare .....	87	—	830	602
Nanton .....	—	—	12,390	1,100
Okotoks .....	350	—	409	1,070
Olds .....	—	—	6,242	2,177
Peace River .....	420	nil	4,417	3,000
Picture Butte .....	17	3	200	1,026
Pincher Creek .....	240	12	3,217	3,000



TABLE No. 10 (Continued)

Place	No. of Buildings Inspected	No. of Orders Issued	Fire Loss	Population
Ponoka .....	28	8	\$ 6,664	4,200
Provost .....	—	—	485	923
Raymond .....	—	—	1,236	2,400
Redcliff .....	16	—	2,395	2,100
Redwater .....	16	1	658	1,150
Rimbey .....	—	—	20	1,200
Rocky Mountain House .....	—	—	43,669	1,547
Spirit River .....	—	—	671	834
St. Albert .....	30	2	3,347	5,000
Stavelly .....	—	—	nil	339
Stettler .....	27	nil	2,351	3,567
Stony Plain .....	20	2	4,604	1,485
St. Paul .....	—	1	37,725	2,939
Strathmore .....	—	—	869	800
Sundre .....	—	—	2,754	860
Swan Hills .....	nil	nil	3,876	1,200
Sylvan Lake .....	26	—	1,797	1,326
Taber .....	200	—	1,956	4,083
Three Hills .....	—	—	7,229	1,486
Tofield .....	—	—	1,800	800
Two Hills .....	12	nil	947	1,000
Valleyview .....	5	nil	225	950
Vauxhall .....	6	—	263	950
Vegreville .....	155	nil	42,946	3,000
Vermilion .....	—	—	2,462	2,480
Viking .....	—	—	268	1,019
Vulcan .....	446	nil	54,502	1,438
Wainwright .....	—	—	17,683	3,200
Westlock .....	4	nil	58,282	2,000
Whitecourt .....	132	nil	2,207	1,900
<b>VILLAGES</b>				
Acme .....	nil	nil	nil	325
Airdrie .....	—	—	3,679	362
Alberta Beach, S.V. ....	nil	nil	29,923	138
Alix .....	20	—	263	673
Alliance .....	10	nil	68	335
Amisk .....	nil	nil	200	150
Andrew .....	50	—	530	610
Arrowwood .....	34	nil	nil	210
Barons .....	—	—	3,629	369
Bashaw .....	60	—	100	640
Bawlf .....	nil	nil	100	287
Beiseker .....	—	—	377	325
Bellevue .....	300	—	5,742	1,400
Bentley .....	25	—	nil	650
Berwyn .....	85	—	nil	365
Betula Beach, S.V. ....	—	—	nil	—
Big Valley .....	13	5	nil	600
Bittern Lake .....	—	—	42	85
Blackfalds .....	—	—	69	500
Blackie .....	nil	nil	41	200
Bonnyville Beach, S.V. ....	—	—	nil	—
Botha .....	—	—	nil	98
Bowden .....	—	—	150	350
Boyle .....	—	—	60	350
Breton .....	30	—	162	560
Bruderheim .....	—	—	nil	275
Burdett .....	75	—	nil	225
Carbon .....	nil	nil	nil	350
Carmangay .....	—	—	214,499	300
Caroline .....	8	—	nil	330
Carstairs .....	100	2	231	670



TABLE No. 10 (Continued)

Place	No. of Buildings Inspected	No. of Orders Issued	Fire Loss	Population
Castle Island, S.V. ....	—	—	\$ nil	—
Cayley .....	—	—	nil	150
Cereal .....	—	—	nil	135
Champion .....	—	—	nil	400
Chauvin .....	—	—	nil	350
Chinook .....	—	—	nil	300
Chipman .....	—	—	nil	200
Clive .....	4	—	1,013	260
Cluny .....	—	—	nil	200
Clyde .....	—	—	211	221
Cochrane .....	—	—	5,228	770
Consort .....	—	—	2,500	550
Coutts .....	24	16	nil	550
Cowley .....	30	1	nil	160
Craigmyle .....	—	—	nil	123
Cremona .....	2	—	nil	150
Crossfield .....	—	—	565	450
Crystal Springs, S.V. ....	—	—	nil	—
Czar .....	4	nil	nil	175
Delburne .....	—	—	nil	500
Delia .....	—	—	116	300
Derwent .....	28	—	nil	271
Dewberry .....	—	—	130	200
Donalda .....	—	—	112	250
Donnelly .....	5	—	7,224	306
Duchess .....	nil	—	nil	216
Eckville .....	33	—	631	463
Edberg .....	—	—	6,572	180
Edgerton .....	62	nil	75	300
Edmonton Beach, S.V. ....	—	—	nil	—
Elk Point .....	240	nil	nil	715
Elnora .....	—	—	126	220
Empress .....	—	—	nil	560
Entwistle .....	21	—	nil	454
Evansburg .....	—	—	51	500
Ferintosh .....	—	—	nil	178
Foremost .....	—	—	3,669	560
Forestburg .....	—	—	205	600
Fort Assiniboine .....	nil	nil	776	206
Frank .....	25	—	643	175
Gadsby .....	—	—	nil	128
Galahad .....	nil	nil	134	200
Ghost Lake, S.V. ....	nil	nil	1,858	—
Gibbons .....	—	—	15	175
Girouxville .....	70	23	22,350	314
Glendon .....	50	nil	nil	325
Glenwood .....	—	—	25	282
Grassy Lake .....	—	—	27	175
Gull Lake, S.V. ....	—	—	nil	32
Hairy Hill .....	10	nil	nil	200
Halkirk .....	nil	nil	24,131	200
Hay Lakes .....	nil	nil	nil	225
Heisler .....	all	—	58	235
Hill Spring .....	—	—	nil	252
Hines Creek .....	—	—	55,104	400
Holden .....	all	20	14,828	600
Hughenden .....	2	nil	104	250
Hussar .....	nil	—	198	200
Hythe .....	—	—	1,261	500
Innisfree .....	20	6	3,571	310
Irma .....	—	—	112	425
Irricana .....	—	—	99,439	184



TABLE No. 10 (Continued)

Place	No. of Buildings Inspected	No. of Orders Issued	Fire Loss	Population
Island Lake, S.V. ....	—	—	nil	—
Itaska Beach, S.V. ....	—	—	nil	—
Kapasiwin, S.V. ....	—	—	nil	—
Killam .....	7	—	25	606
Kinuso .....	—	—	nil	180
Kitscoty .....	7	3	50	325
Lakeview, S.V. ....	—	—	nil	—
Lamont .....	300	6	169	750
Lavoy .....	3	—	nil	130
Legal .....	nil	nil	537	512
Lomond .....	—	—	nil	233
Lougheed .....	—	—	nil	200
Ma-Me-O-Beach, S.V. ....	—	—	119	98
Mannville .....	65	nil	6,093	609
Marwayne .....	nil	nil	6,347	375
Millet .....	12	nil	188	425
Milo .....	—	—	nil	160
Minburn .....	6	nil	50	152
Mirror .....	nil	nil	2,151	573
Morrin .....	—	—	nil	275
Munson .....	—	—	nil	79
Myrnam .....	143	—	nil	420
Nampa .....	24	—	nil	262
New Norway .....	1	nil	116	262
New Sarepta .....	—	—	552	250
Nobleford .....	—	—	55	312
Onoway .....	36	—	1,500	250
Oyen .....	6	nil	45	809
Penhold .....	—	—	4,000	315
Point Alison, S.V. ....	—	—	nil	—
Radway .....	18	—	nil	287
Rochan Sands, S.V. ....	—	—	nil	—
Rockyford .....	—	—	—	294
Rosemary .....	—	—	89	183
Rumsey .....	—	—	750	122
Rycroft .....	105	1	48	547
Ryley .....	—	—	29,494	500
Sandy Beach, S.V. ....	—	—	nil	—
Sangudo .....	67	—	155	325
Seba Beach, S.V. ....	nil	nil	6,603	114
Sedgewick .....	—	—	770	656
Sexsmith .....	80	—	159,825	450
Silver Beach, S.V. ....	—	—	nil	—
Slave Lake .....	6	—	nil	500
Smoky Lake .....	all	—	190	729
Spruce Grove .....	106	nil	nil	432
Standard .....	20	—	nil	265
Stirling .....	—	—	nil	438
Strome .....	nil	nil	122	304
Sunset Point, S.V. ....	—	—	nil	—
Thorhild .....	—	—	nil	312
Thorsby .....	6	nil	nil	550
Tilley .....	10	2	100	251
Trochu .....	35	—	18,346	670
Turner Valley .....	—	—	175	670
Veteran .....	—	—	202	241
Vilna .....	nil	nil	nil	400
Wanham .....	5	nil	nil	254
Warburg .....	—	—	51,958	283
Warner .....	90	—	49	500
Warspite .....	nil	nil	39,658	154
Waskatenau .....	—	—	nil	310



TABLE No. 10 (Continued)

Place	No. of Buildings Inspected	No. of Orders Issued	Fire Loss	Population
Wembley .....	—	—	623	320
Wildwood .....	—	—	3,804	455
Willingdon .....	2	—	nil	445
Youngstown .....	—	—	2,154	325

**HAMLETS**

Ardley .....	—	—	10,408	—
Beaver River .....	—	—	74,546	—
Canmore .....	—	—	14,335	—
Driftpile .....	—	—	26,600	—
East Coulee .....	—	—	1,323	—
Guy .....	—	—	19,114	—
Linden .....	—	—	13,324	—
Nacmine .....	—	—	11,190	—
Orion .....	—	—	16,204	—
Sherwood Park .....	—	—	946	—
Tomahawk .....	—	—	29,434	—
Virginia Hills .....	—	—	16,324	—
Winfield .....	—	—	13,455	—

TABLE NO. 11

**FIRE INVESTIGATIONS**

Number of fires investigated (departmental investigations only) .....	182
Number of informations laid reported to the department (Arson) .....	3
Number of convictions (Arson, Sec. 374 C.C.) .....	8
Number pending (Arson) .....	0
Acquittals and withdrawals (Arson) .....	6
Stay of proceedings (Arson) .....	0
Committed to Mental Institute (Arson) .....	0
Number of convictions public mischief (Sec. 120 C.C.) .....	0
Number of convictions wilful damage (Sec. 373 C.C.) .....	0
Number of convictions setting fire by negligence (Sec. 377 C.C.) .....	0
Incendiary fires .....	9
Suspected Incendiary fires .....	36
Convictions (Sec. 30, Fire Prevention Act) .....	2

TABLE NO. 12

**FIRE COMMISSIONER'S OFFICE OPERATIONS**

In addition to the recording of fire losses, and other statistics, official actions of the Fire Commissioner and his staff includes all work required for the administration of the Fire Prevention Act and the Lightning Rod Act. We also include in the report investigations and enforcement assistance to the Superintendent of Insurance.

**INSPECTIONS AND ORDERS ISSUED**

Number of Cities, Towns and Villages visited and inspected .....	60
Number of Orders to Remedy Conditions (written) .....	96
Number of Orders to Remedy Conditions (verbal) .....	153
Number of Orders to Remedy Conditions (written by fire chiefs) .....	76
Number of written recommendations .....	1,888
Number of buildings inspected .....	1,954



TABLE No. 12 (Continued)

## CHARACTER OF ORDERS ISSUED

Recharge or provide fire extinguishing equipment .....	8
Improve housekeeping conditions .....	6
Repair or install fire alarm system .....	3
Protect combustible material near stovepipes and heaters .....	2
Provide exit doors and panic bolts .....	7
Enclose inside stairways .....	3
Repair faulty electric wiring .....	1
Discontinue use of gasoline for cleaning purposes .....	11
Remove obstructions from exits .....	1
Remove gasoline barrels from mercantile buildings to approved warehouses ....	6
Tear down or repair dilapidated buildings .....	15
Provide underground storage for petroleum products .....	14
Cut grass and weeds from nearby mercantile buildings and vacant lots .....	8
Install lights or signals over exits .....	3
Remove grease, dirt, etc. from hoods over stoves and ranges .....	4
Clean, replace or properly support stove pipes .....	1
Remove rubbish and inflammable material from under stairs .....	1
Others .....	2
<b>Total</b> .....	<b>96</b>

## FIRE PREVENTION

## MEETINGS

Year	Number	Film Showings	Attendance
1959 .....	200	236	11,305
1960 .....	146	137	8,125
1961 .....	154	111	8,301

## Special Inspection

Schools .....	152	Institutions .....	36
Hospitals .....	15	Bulk Fuel Oil Stations .....	37
Hotels .....	10	Others .....	110

## Plan Checking

Schools .....	428	Arenas .....	2
Hospitals .....	60	Bulk Warehouses .....	62
Nurses' Homes .....	35	Others .....	16

## Evacuation Drills

Schools .....	170	Institutions .....	7
Hospitals .....	24	Others .....	3

## Fire Prevention Week

Total Entries:	1959 — 224	Total Awards:	1959 — 55
	1960 — 216	(All Classes)	1960 — 44
	1961 — 146		1961 — 39

## Canadian National Ranking

Community	Ranking
Calgary	8th
Red Deer	19th
Bonnyville	25th
Stony Plain	28th

## Canadian Municipal Division Ranking

Class	Community	Ranking
A	Calgary	Third
B	Lethbridge	Honorable Mention
C	Red Deer	Honorable Mention
E	Peace River	Honorable Mention
F	Bonnyville	First
F	Stony Plain	Second
F	Rocky Mountain House	Honorable Mention
F	Waskatenau	Honorable Mention



TABLE No. 12 (Continued)

## Canadian Municipal Division Rankings by Province

Class	Community	Ranking	Class	Community	Ranking
A	Calgary	First		Hinton	Honorable Mention
B	Lethbridge	First		Hanna	Honorable Mention
	Jasper Place	Second	F	Bonnyville	First
C	Red Deer	First		Stony Plain	Second
D	Montgomery	First		Rocky Mountain	
	St. Albert	Second		House	Third
	Bowness	Third		Waskatenau	Honorable Mention
	Camrose	Honorable Mention		Bowden	Honorable Mention
	Lloydminster	Honorable Mention		Vulcan	Honorable Mention
	Wetaskiwin	Honorable Mention		Claresholm	Honorable Mention
E	Peace River	First		Cochrane	Honorable Mention
	Taber	Second		Innisfail	Honorable Mention
	Vegreville	Third		Airdrie	Honorable Mention
	St. Paul	Honorable Mention		High River	Honorable Mention

## FIRE DEPARTMENT

## Fire Department Instruction

	Number	Hours	Attendance
Fire Department drills held .....	88	572½	1,197
Fire Department meetings attended .....	33	75	625
Fire Department instruction given .....	69	173¾	971
Fire Officers' Training Schools .....	4	138	91

Written recommendations to towns and villages, Re:

Fire protection equipment .....	40
Demonstrations of extinguishers in schools and hospitals .....	50

## Firemen Competition

Place	No. of Teams	No. of Towns Represented
Stony Plain .....	10	9
Peace River .....	17	10
Milk River .....	13	9
St. Paul .....	11	8
Coleman .....	14	13
Rimbey .....	14	6
Red Deer .....	15	9
Bowness .....	18	14

## Assistance to Superintendent of Insurance

Real Estate Agents' Licensing Act	The Alberta Insurance Act	
	Investigations	Prosecutions
1959	52	19
1960	50	8
1961	49	9

## OTHER

## Lightning Rod Act

	Licenses Issued	Investigations	Prosecutions
1959 .....	37	3	Nil
1960 .....	45	9	Nil
1961 .....	42	32	8

## Inspectors' Mileage

Mileage by car .....	131,868 miles
Mileage by train .....	1,841 miles
Mileage by plane .....	6,101 miles
<b>TOTAL</b>	<b>139,810 miles</b>



## FIRE COMMISSIONER'S OFFICE — SERVICES

The Provincial Secretary's Department maintains district offices of the Fire Commissioner's Branch, located at Calgary, Lethbridge and Peace River. There is one resident Inspector at Lethbridge and at Peace River and two Inspectors and a male clerk stenographer at Calgary. The remaining staff, which includes the Fire Commissioner, Deputy Fire Commissioner, six Inspectors and four clerical staff, are located at the Edmonton headquarters office, 104 Natural Resources Building. The province is divided into nine districts to which an Inspector is assigned for routine inspections, investigations and for fire protection and fire prevention meetings. The Edmonton Office receives all special requests for investigations, inspections, special meetings and requests for fire department assistance. The Edmonton Office has a major program for plan checking of schools, hospitals and hotels and miscellaneous types of buildings. The office also renders assistance to fire chiefs in the program of regional fire department proficiency competitions and the department provides prizes and presents proficiency award shields. The Edmonton Office also arranges for all fire prevention work with other provincial and federal government departments.

A public fire prevention education program is conducted through meetings, film showings and special fire prevention drives, the major project being an annual Fire Prevention Week campaign.

The Fire Commissioner's Office provides fire protection advice and assistance to cities, towns, villages and rural districts, also for industry and institutions, with a purpose of developing adequate fire department organizations and fire protection facilities.

The fire fighting training work which is continually growing more extensive is two-fold. First, assistance is given to fire chiefs in their communities; regular fire department meetings are attended whenever possible and fire fighting instruction is given by the Fire Commissioner's Office to fire chiefs who request it. Secondly, Fire Officers' Training Schools are conducted by the Fire Commissioner's Office at the government schools of agriculture as a provincial fire fighting training program.

Alberta Emergency Measures Organization is outlined in an Alberta Survival Plan Number One. Within the plan the Provincial Secretary's Department has been given two responsibilities, one of which involves the Fire Commissioner and his staff as follows: organization of municipal fire fighting services, and control over and direction of these services in wartime, except in damaged or heavy fallout areas, where fire fighting will be under the direction of the army as part of re-entry operations.

Fire waste is a major threat to life and property but even so fire disasters can be prevented by dissemination of pertinent information, by frequent and thorough inspections, by use of specialized equipment, and by organized preparation. To assist in preparing for emergency measures, the Fire Commissioner's Office maintains a municipal fire department summary of fire protection resources, encourages adoption of fire prevention by-laws, works for extension of organized fire protection and has, in all, a close working arrangement with all fire departments through the provisions of the Fire Prevention Act.







